

WHAT IS CLAIMED IS:

1. A scaffold plank assembly for engagement to a scaffolding frame, the scaffold plank assembly comprising:

an elongate, non-metal plank defining opposed first and second ends and at least one interior cavity; and

a pair of end connectors attached to respective ones of the opposed ends of the plank, each of the end connectors comprising:

a main body defining an arcuate body engagement surface;

at least two arms attached to the main body, each of the arms defining an arcuate arm engagement surface which is substantially continuous with the body engagement surface; and

at least one attachment finger attached to and extending from the main body, the attachment finger being extensible into the interior cavity of the plank;

the body and arm engagement surfaces being sized and configured to be cooperatively engageable to the scaffolding frame.

2. The scaffold plank assembly of Claim 1 wherein each of the end connectors is fabricated from a non-metal material.

3. The scaffold plank assembly of Claim 2 wherein each of the end connectors further comprises an internal metallic reinforcement plate which extends at least partially within the main body, arms and finger thereof.

4. The scaffold plank assembly of Claim 1 wherein each of the end connectors further comprises at least one locking clip attached to the main body and frictionally engageable to the scaffolding frame.

5. The scaffold plank assembly of Claim 1 wherein:

the plank defines a plurality of interior cavities; and

each of the end connectors comprises a plurality of attachment fingers which are integrally connected to the main body and extensible into respective ones of the interior cavities of the plank.

6. The scaffold plank assembly of Claim 1 wherein the plank includes portions which are fabricated from a plastic material and portions which are fabricated from a fiber-reinforced composite material.

7. The scaffold plank assembly of Claim 6 wherein the plank includes:
- an elongate, generally planar top wall defining inner and outer surfaces and opposed pairs of longitudinal and lateral sides;
 - an elongate, generally planar bottom wall defining inner and outer surfaces and opposed pairs of longitudinal and lateral sides;
 - an opposed pair of sidewalls integrally connected to the top and bottom walls and extending along respective pairs of the longitudinal sides of the top and bottom walls in generally parallel relation to each other; and
 - a plurality of reinforcement walls integrally connected to and extending perpendicularly between the inner surfaces of the top and bottom walls and in spaced, generally parallel relation to each other and to the side walls.
8. The scaffold plank of Claim 7 wherein at least some of the reinforcement walls are fabricated from the fiber-reinforced composite material.
9. The scaffold plank assembly of Claim 7 wherein the outer surface of the top wall and the outer surface of the bottom wall each include a textured pattern formed thereon.
10. The scaffold plank assembly of Claim 6 wherein each end connector is attached to the plank through the use of fasteners which are advanced through each of the side walls of the plank and into the finger of the end connector.
11. The scaffold plank assembly of Claim 1 wherein the main body includes at least two notches formed therein which each have a configuration complementary to the arms.
12. The scaffold plank assembly of Claim 11 wherein one of the notches is disposed between the arms.
13. An end connector for attachment to an elongate plank defining opposed first and second ends and at least one interior cavity, the end connector being engageable to a scaffolding frame and comprising:
- a main body defining an arcuate body engagement surface;
 - at least two arms attached to the main body, each of the arms defining an arcuate arm engagement surface which is substantially continuous with the body engagement surface; and

at least one attachment finger attached to and extending from the main body, the attachment finger being extensible into the interior cavity of the plank;

the body and arm engagement surfaces being sized and configured to be cooperatively engageable to the scaffolding frame.

14. The end connector of Claim 13 wherein the end connector is fabricated from a non-metal material.

15. The end connector of Claim 14 wherein the end connector further comprises an internal metallic reinforcement plate which extends at least partially within the main body, arms and finger thereof.

16. The end connector of Claim 13 wherein the end connector further comprises at least one locking clip attached to the main body and frictionally engageable to the scaffolding frame.

17. The end connector of Claim 13 wherein the end connector comprises a plurality of attachment fingers which are integrally connected to the main body and extensible into respective ones of a plurality of interior cavities defined by the plank.

18. The end connector of Claim 13 wherein the main body includes at least two notches formed therein which each have a configuration complementary to the arms.

19. The end connector of Claim 18 wherein one of the notches is disposed between the arms.